

WHAT IS CLAIMED IS:

1. An optical disc drive for recording and playing back a recordable-type optical disc, comprising:
  - a driving mechanism for rotating the optical disc;
  - an optical pick-up for writing and reading data to and from the optical disc;
  - signal processing means for processing signals read out from the optical disc by means of the optical pick-up;
  - control means for controlling at least the driving mechanism, the optical pick-up and the signal processing means;
  - detecting means for detecting an ATIP error; and
  - counting means for counting the number of ATIP errors.
2. The optical disc drive as claimed in claim 1, further comprising a memory for storing the counted value of the ATIP errors.
3. The optical disc drive as claimed in claim 1, wherein the detecting means is provided in the signal processing means.
4. The optical disc drive as claimed in claim <sup>1</sup>~~4~~, wherein the counting means is provided in the control means.
5. The optical disc drive as claimed in claim 1, further comprising transmitting means for transmitting the counted value of the ATIP errors or information obtained from the counted value to a computer.
6. The optical disc drive as claimed in claim 1, wherein the optical disc has a pre-groove for generating a first synchronization signal and the optical disc drive has means for generating a second synchronization signal, in which the counting means counts the number of ATIP errors caused in a predetermined time based on the second synchronization signal after the second synchronization signal has been synchronized with the first synchronization signal.
7. The optical disc drive as claimed in claim 6, wherein the second synchronization signal generating means includes a clock provided in the optical disc drive.
8. A method of examining an optical disc drive for recording and playing back a recordable-type optical disc, the method comprising

09162968412998  
29  
6/9

the steps of:

preparing an optical disc drive having detecting means for detecting an ATIP error and counting means for counting the number of ATIP errors;

loading a reference optical disc which has substantially no defect to the optical disc drive;

driving the optical disc;

counting the number of ATIP errors by means of the detecting means and the counting means of the optical disc drive;

examining the recording performance of the optical disc drive based on the counted number of the detected ATIP errors.

9. The method of examining an optical disc drive as claimed in claim 8, wherein the optical disc drive is connected to a computer having a monitor, and the counted number of the detected ATIP errors is displayed on the monitor.

10. The method of examining the optical disc drive as claimed in claim 9, wherein the optical disc has a pre-groove for generating a first synchronization signal and the optical disc drive has means for generating a second synchronization signal, in which the counting means counts the number of ATIP errors caused in a predetermined time based on the second synchronization signal after the second synchronization signal has been synchronized with the first synchronization signal.

11. The optical disc drive as claimed in claim 10, wherein the second synchronization signal generating means includes a clock provided in the optical disc drive.